

11/9/82
as late as possible
11/10/82

PERMIT

approved
11-10-82
C. Williams

P 32288
A 28489

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

03-307824

ELLICOTT CITY

DISTRICT 3rd

INDEX

DATE 11/5/92

Joseph Cartland IS PERMITTED TO INSTALL X ALTER

ADDRESS Liberty Road, Winfield, Md. PHONE 875-2400

SUBDIVISION Laukerman ROAD 1080 Driver Road LOT New Lot 7

PROPERTY OWNER Wilder, Joseph Paul Benhek

ADDRESS 3430 Birch Hollow Rd., Balto, Md. 21208

SPECIFICATIONS 4 Bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

DRAIN FIELD DEPTH FEET. BOTTOM AREA SQ. FT.

DEEP TRENCH DEPTH FEET. BOTTOM AREA SQ. FT.

SEEPAGE PITS ABSORBENT SIDE-WALL AREA 130 SQ. FT. per bedroom

INLET PIPE 3 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 10 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA 25 FT. FROM 10ft LOT LINE AND 125 FT. FROM front LOT LINE AS SEEN WHEN FACING LOT FROM the road.

Trench inlet 3' Max. depth 10' Trench if needed should proceed the necessary distance with the contour towards right propertyline.

PLANS APPROVED BY George Keller DATE 4/3/79

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 18 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

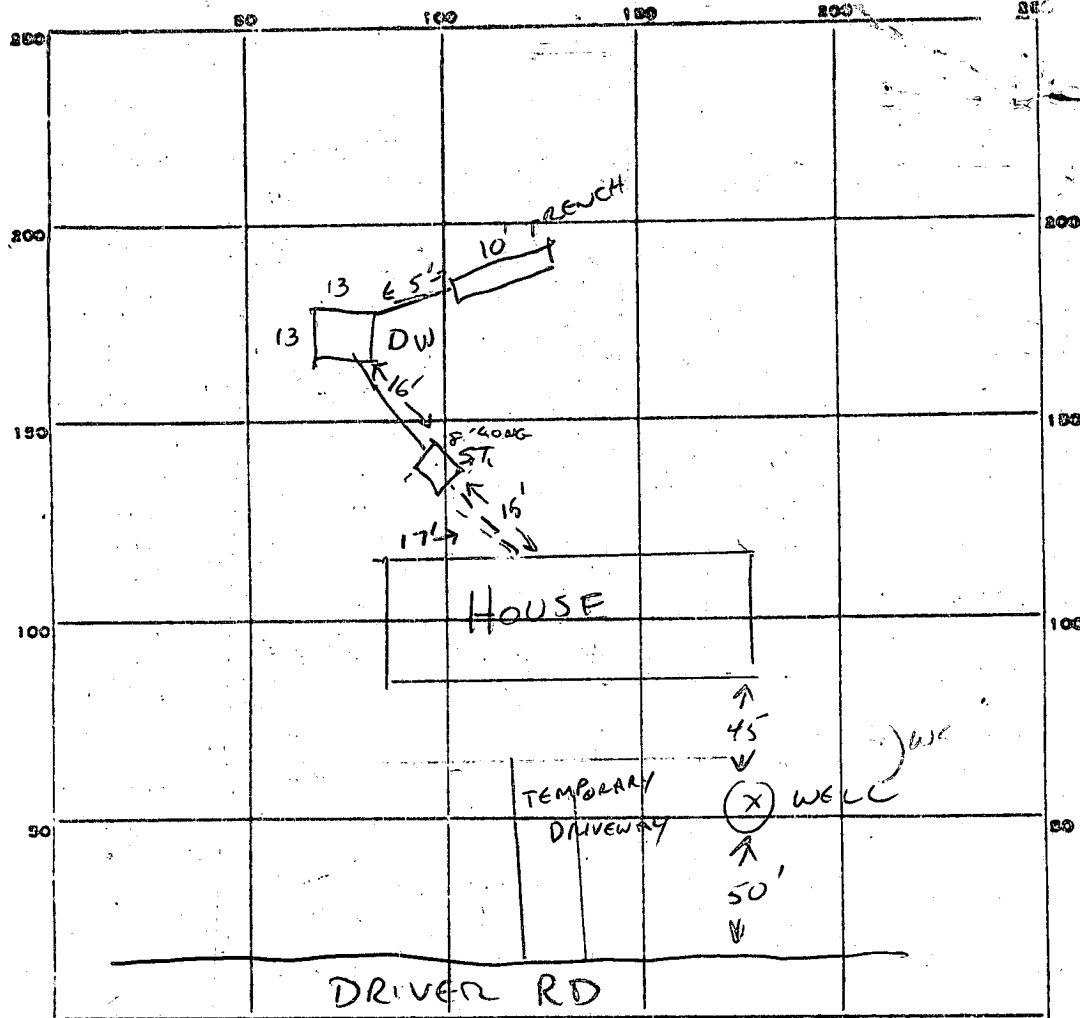
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

BOG. PERMIT SIGNED
AND RETURNED 4/1/90

Serial # 32995 - Prod.

A28489



PERMIT CARD ☒
 SEPTIC TANK, LEVEL ☒
 DISTRIBUTION BOX, LEVEL ☐
 CLEANOUTS ST ☒ DW ☒

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.
 GRAVEL DEPTH 7 IN. TOTAL LENGTH 70 FT.
 NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 70
 DW 13x13x13x13
 SEEPAGE PITS, INSIDE DIAMETER 32 FT. DEPTH BELOW INLET 7 FT.
 ABSORBENT AREA 364 SQ. FT. 434 TOTAL ABS. AREA

420
 -364

 756
 8

REMARKS
11-9-82 ADD GRAVEL AND CLEANOUTS. MUST SEE HOUSE CONNECTION.
CALL WHEN READY. C. Williams
11-10-82 HOUSE CONNECTION AND CLEANOUTS OK. NEED GRAVEL - CW
11-10-82 GRAVEL OK.

DATE SYSTEM APPROVED 11-10-82 INSPECTOR C. Williams

Kaulbenman Prop.

G.L. Keller 4/3/79
A28489

LOT NUMBER Final lot 7

Absorbant Area/bedroom 130 4

SEPTIC TANK 1000 gal 1250 gal 1500 gal
3 bdrms 4 bdrms 5 bdrms

☒ DRY WELL

3

inlet

10

Max. depth

~~300~~
Abs. Area

Located 25' from left prop line 3
from ROAD.

125' from front as seen

☒ TRENCH

3

Inlet

10

Max. depth

bedrooms Length Abs. Area

30R

40R

Trench, if needed, should proceed the necessary distance with the contour
towards right prop. line.

If dry well and trench are used leave a 5' earth buffer between them.
If septic tank is 3' or more below grade, use manhole type cleanout to grade.
If more than one trench is used space them parallel, twice their depth apart.
Call office for inspection of trench before placing stone in trench.
All pipe from house to disposal area cast iron.
Install standpipe (6" min.) on septic tank and dry well. Cast iron, concrete, terra
cotta ok. Trench distribution lines may be clay, asbestos cement, orangburg type,
open joint cast iron or heavy duty plastic. (Commercial standard Cs228-61).

PRELIMINARY

APPLICATION

A 28489

P

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICESP. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 3rd

DATE 7/13/78

Final lot 7 4/2/79

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Laukenmann property Wilder Build Corp.

ADDRESS 3430 Birch Hollow Rd 486-1233
21208 PHONE Boender 465-7777

PROPERTY LOCATION

SUBDIVISION LOT NO. part of New lot 7
50N on 1/79
X F79-11

ROAD AND DESCRIPTION 1080 Driver Road

SIZE OF LOT 3 acres m/l TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Jack Boender

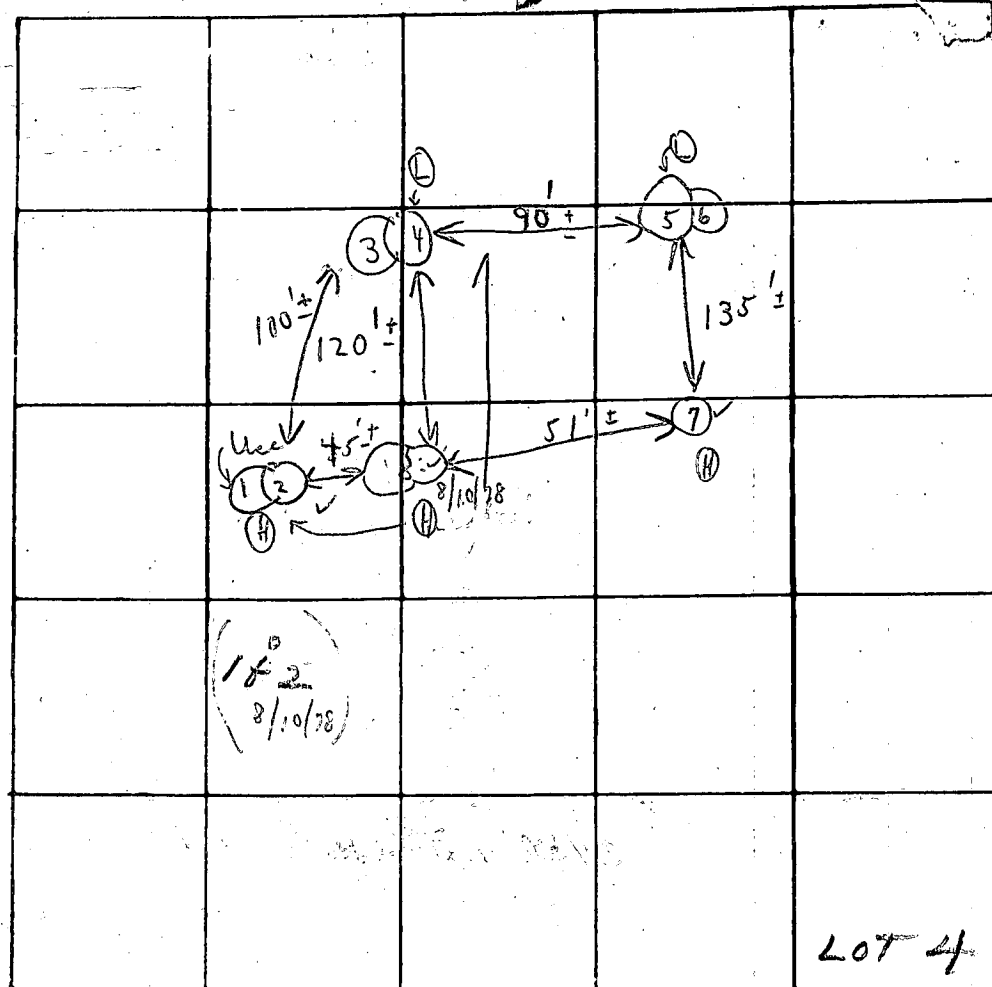
APPROVED BY George Keller FOR drywell & trench DATE 4/13/79
(KIND OF SYSTEM)REJECTED BY FOR DATE
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS DATE

REASONS FOR REJECTION OR HOLDING

BLDG. PERMIT SIGNED Howard County Health Dept.
AND RETURNED P. O. Box 476
Ellicott City, Maryland 21043
Serial 4-57714

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/10/78	1	4					
J.S.	2	11 1/2	of original Test area				
8/11/78	1	3 1/2'	11:05	11:08	11:08	11:14	6m
C.B.	Use 2	11'	11:07	11:09	11:09	11:13	4m
	3	4'	10:24	10:26	10:26	10:28	2m
	4	12 1/2'	10:25	10:31	10:31	10:44	13m
	5	2 1/2'	10:49	10:51	10:51	10:54	3m
	6	11'	10:52	10:54	10:54	10:59	15m
	7	1	Visual		4'-11' Room		
8/10/78	8	11'	per plat				

{ No small
holes at
10:00 C.B.

REMARKS

TYPE OF SOIL

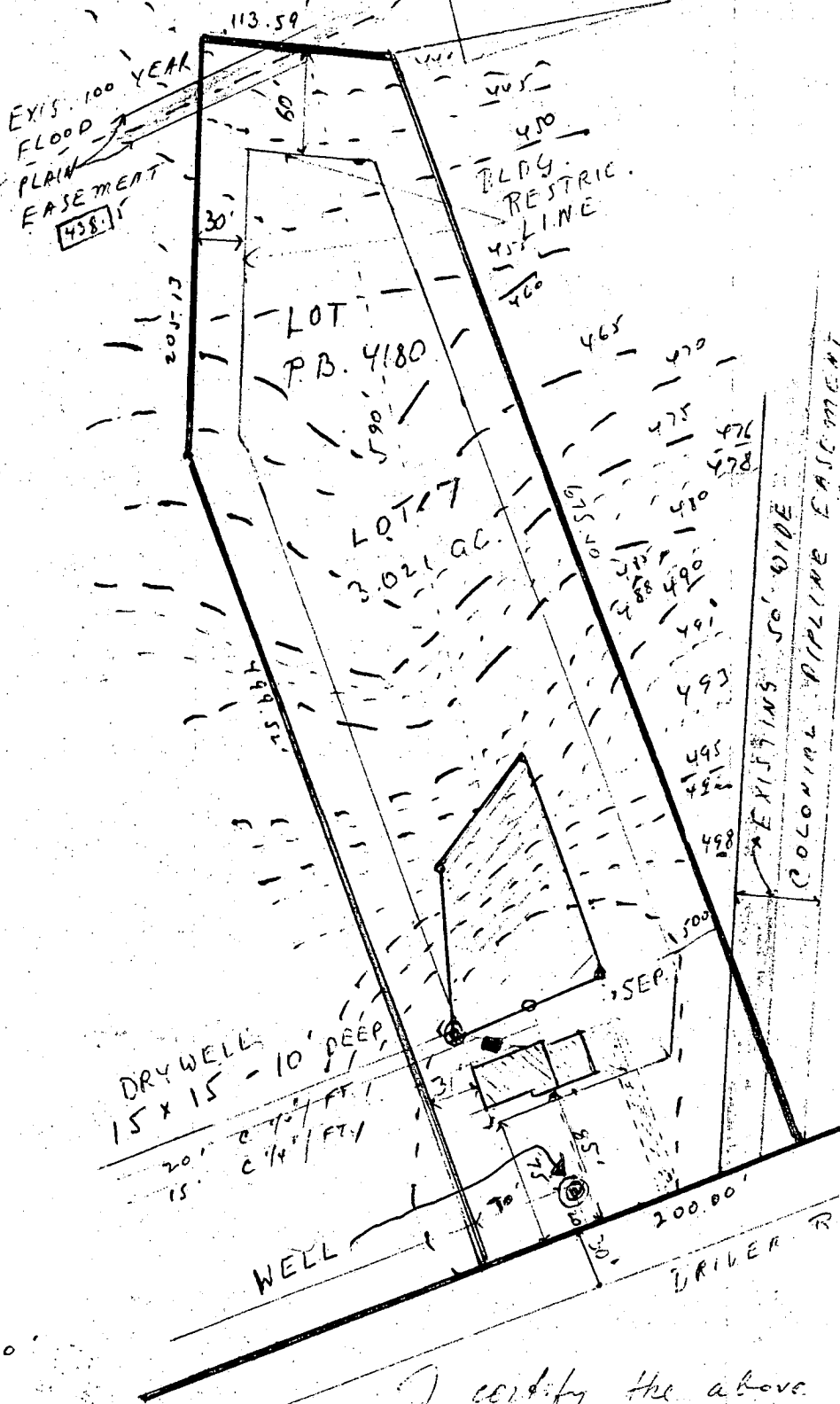
TESTED BY

8/11/78 Tests in open field high weeds
Note tests 1/2" thick back than preliminary
plate shows
C.B. also present
owners

GRADING STUDY

LAUKENMAN PROPERTY
LOT 7 DRIVER RD.
3 D. ELEC. DISTR
HOWARD COUNTY
MO.

8/24/82
Sketch as revised
J.S.



House

FIRST FC. 503
ELEV
BASE M. ELE. 495
INVERT HOUS. 498.11

SEPT.

EXIST GRADE 501.0
PROPOSED " 500.8
INVERT TANK 498.7

DRY WELL

EXIST GRADE 501.0
FIN " 499.8
INVERT IN 498.0

JW 8/24/82

CONTRACTOR TO
SET GRADE
IN FIELD

SCALE 1" = 100'

I certify the above measurements
are actual and true for this property
Date 8/23/82 [Signature]

EMERGENCY/TEMP. NO. IF ANY

B 1 0740 SEQUENCE NO. (OEP USE ONLY)

9/9/82
9:30amSTATE OF MARYLAND
PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-73-4261

(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)

please print or type

fill in this form completely

Date Received

0 8 2 7 8 2
8 (OEP Use Only) 13

OWNER INFORMATION

WILDER, JOSEPH
Last Name 15 Owner 34 Name
3430 BIRCH HOLLOW RD.
36 Street or RFD 55
BALTIMORE MD. 21208
Town 57 State 76 Zip

B 1 Continued

DRILLER INFORMATION

GEORGE F. EASTERN
Driller's Name 77 License No. 80 40
G.F. EASTERN, INC.
Firm Name
9265 Brown Creek Rd. Mt. Airy, Md.
Address
George F. Eastern
Signature 8/26/82 Date

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
22 ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 150 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (OR AUGERED) JETTED JETTED & DRIVEN
30- ☒ AIR ROTARY AIR PERCUSSION ROTARY (HYDRAULIC ROTARY)
37 CABLE REVERSE ROTARY DRIVE POINT
other

REPLACEMENT OR DEEPEMED. WELLS
(CIRCLE APPROPRIATE BOX)

- ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL
☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
39 ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
☐ THIS WELL WILL DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER 54 GAP 63

FORCE FS WRITE INITIALS IN BOX PERMIT No. 40-73-4261
64 68 70 71 72 73 74 75 76 77 78 79

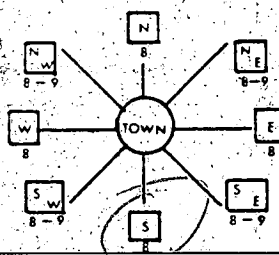
B 5

SPECIAL CONDITIONS 8-63

B 3

LOCATION OF WELL

COUNTY Howard
SUBDIVISION Laukenman property
SECTION 23 LOT 7
NEAREST TOWN Marriottville
MILES FROM TOWN (enter 0 if in town) 2
73 76 77 78

B 4
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Draver Rd.
NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
WEST EAST
SOUTH

100
DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX)
34 37 38 39

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. well
2.
3.

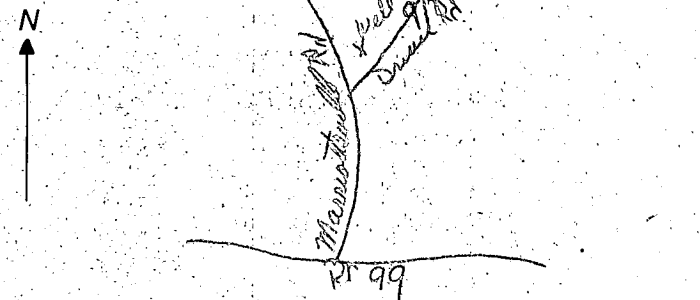
WRITE THE BOX NUMBER FROM THE MAP HERE

820 0
540 9

LOCATION OK

42' CASING
2' ABOVE GROUND
35' OPEN
9 BAGS CEMENT
9-9-82 William

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



B 4

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME A28489 COUNTY NO.

OEP SIGNATURE DATE ISSUED 083182 CO SIGNATURE Frank Skinner

NORTH GRID 549 EAST GRID 0830 EXPIRES 030183
50 55 57 63

C1 3258 SEQUENCE NO. (OEP USE ONLY)

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

Date Received (OEP use only)

DATE WELL COMPLETED

7 9 82

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER

A28489

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

H0-73-4261

OWNER

Wilder

Joseph

STREET OR RFD

1090 Driver Road

TOWN

Marriottsville

SUBDIVISION

Laurenbaum Property

SECTION

LOT

7

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)

FEET
FROM TO

Check if water bearing

TOP SOIL	0	2	
SHALE	2	10	
SAND STONE	10	60	✓
GRANITE	60	85	
SAND STONE	85	90	✓
GRANITE	90	200	
	200	210	
QUARTZ	210	260	
GRANITE			

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

YES ☒ Y NO ☐ N

TYPE OF GROUTING MATERIAL

CEMENT ☒ CM BENTONITE CLAY ☐ BC

NO. OF BAGS 9 NO. OF POUNDS 900

GALLONS OF WATER 45

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft to 38 ft

(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

STEEL ☒ ST CONCRETE ☐ CO
PLASTIC ☐ PL OTHER ☐ OT

MAIN CASING TYPE

Nominal diameter (top/main) casing (nearest inch)

Total depth of main casing (nearest foot)

ST 6 42

OTHER CASING (if used)

EACH CASING diameter inch depth (feet) from to

1	2	3	4	5	6	7	8	9	10

SCREEN RECORD

screen type or open hole

insert appropriate code below

STEEL ☒ ST BRASS ☐ BR OPEN HOLE ☐ HO
BRONZE ☐ PL PLASTIC ☐ PL OTHER ☐ OT

C2 Seq. no. 1

DEPTH (nearest ft.)

H0 40 260

EACH SCREEN

1 2 3 4 5 6 7 8 9 10

2 3 4 5 6 7 8 9 10

3 4 5 6 7 8 9 10

3 4 5 6 7 8 9 10

3 4 5 6 7 8 9 10

3 4 5 6 7 8 9 10

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3 4 5 6 7 8 9 10

CIRCLE APPROPRIATE BOX

☒ A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED☐ E ELECTRIC LOG OBTAINED☐ P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO.

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

DIAMETER OF SCREEN (NEAREST INCH)

from to

GRAVEL PACK

IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX ☐ F

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.)

W Q

74 75 76

TELESCOPE CASING

LOG INDICATOR

OTHER DATA

PUMP INSTALLED YES ☒ NO ☐ NDRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) ☐ Y ☒ N

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O))

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

above ☒ +

LAND SURFACE

below ☐ -

(nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

75' WELL

100'

DRIVER RD.

HEALTH

County File No. 8/9/83 on F.S

Review

FIELD DATA SHEET
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. HO-73-4261 Election District 2

Location of Property (road) _____

Subdivision Laukenman Lot 7 Block Plat Sec.

Well Driller L. A. Carterday, Inc. Owner Joseph Nelder Boudreau

Depth of Well 260 360

Distance of Measuring Point (M.P.) above ground 2.

Static Water Level (S.W.L.) below M.P. 45' 2

I. High Rate Pumping -- reservoir drawdown

Time pump started 7:45 Pumping rate _____

Total time _____ to reach pumping water level _____ ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes.

[illegible]

Duplicate

(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS) Date Received (OEP use only)		WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE			45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A28489	
DATE WELL COMPLETED 9 9 82		Depth of Well 260 (TO NEAREST FOOT)		PERMIT NO. HO-73-4261		
OWNER Wilder last name		Joseph first name				
STREET OR RFD 1090 Driver Road		TOWN Marriottsville				
SUBDIVISION Laukema Property		SECTION 7		LOT 7		

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 9 NO. OF POUNDS 900 GALLONS OF WATER 45 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 38 ft. (enter 0 if from surface)			PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 4 METHOD USED TO MEASURE PUMPING RATE BUCKET WATER LEVEL (distance from land surface) BEFORE PUMPING 45 WHEN PUMPING 104 TYPE OF PUMP USED (for test) S submersible																																												
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th> <th colspan="2">FEET</th> <th rowspan="2">Check if water bearing</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr><td>TOP SOIL</td><td>0</td><td>2</td><td></td></tr> <tr><td>SHALE</td><td>2</td><td>10</td><td></td></tr> <tr><td>SANDSTONE</td><td>10</td><td>60</td><td>✓</td></tr> <tr><td>GRANITE</td><td>60</td><td>85</td><td></td></tr> <tr><td>SANDSTONE</td><td>85</td><td>90</td><td>✓</td></tr> <tr><td>GRANITE</td><td>90</td><td>200</td><td></td></tr> <tr><td>QUARTZ</td><td>200</td><td>210</td><td></td></tr> <tr><td>GRANITE</td><td>210</td><td>260</td><td></td></tr> </tbody> </table>			DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing	FROM	TO	TOP SOIL	0	2		SHALE	2	10		SANDSTONE	10	60	✓	GRANITE	60	85		SANDSTONE	85	90	✓	GRANITE	90	200		QUARTZ	200	210		GRANITE	210	260		CASING RECORD casing types insert appropriate code below <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>ST STEEL</td> <td>CO CONCRETE</td> </tr> <tr> <td>PL PLASTIC</td> <td>OT OTHER</td> </tr> </table> MAIN CASING TYPE ST Nominal diameter top(main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 42			ST STEEL	CO CONCRETE	PL PLASTIC	OT OTHER	PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)) S CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 PUMP HORSE POWER 31 PUMP COLUMN LENGTH (nearest ft.) 41		
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DRILLERS IDENT. NO. 40 DRILLERS SIGNATURE George J. Winters (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)			ORIGINAL DRIVER R.D.																																															

[illegible]

FILE Emergency Well / Hunt-7/8 @ 1:30 or 2:00
DATE REPORTED July 8, 1983
PROPERTY OWNER Paul Benneck, Laubermann Property, Lot 7
P. O. ADDRESS 1080 Spruce Rd.

DIRECTIONS TO PROPERTY _____

HO-81-0177

INFORMANT

Easterday Well Driller

Wilden Boulder also present
Old well is HO 73 4261 Old well
got cloudy after rain Old well
was approved by HO per Wilden
Old Well Drilled about 8 months ago

CONDITION FOUND: ① 50 FT CASING

② 300 FT deep

③ 2 gal / min

④ 50 FT CASING 2 FT OUT
OF GROUND

⑤ 40 FT OPEN HOLE MEASURED WITH
A STRIKE

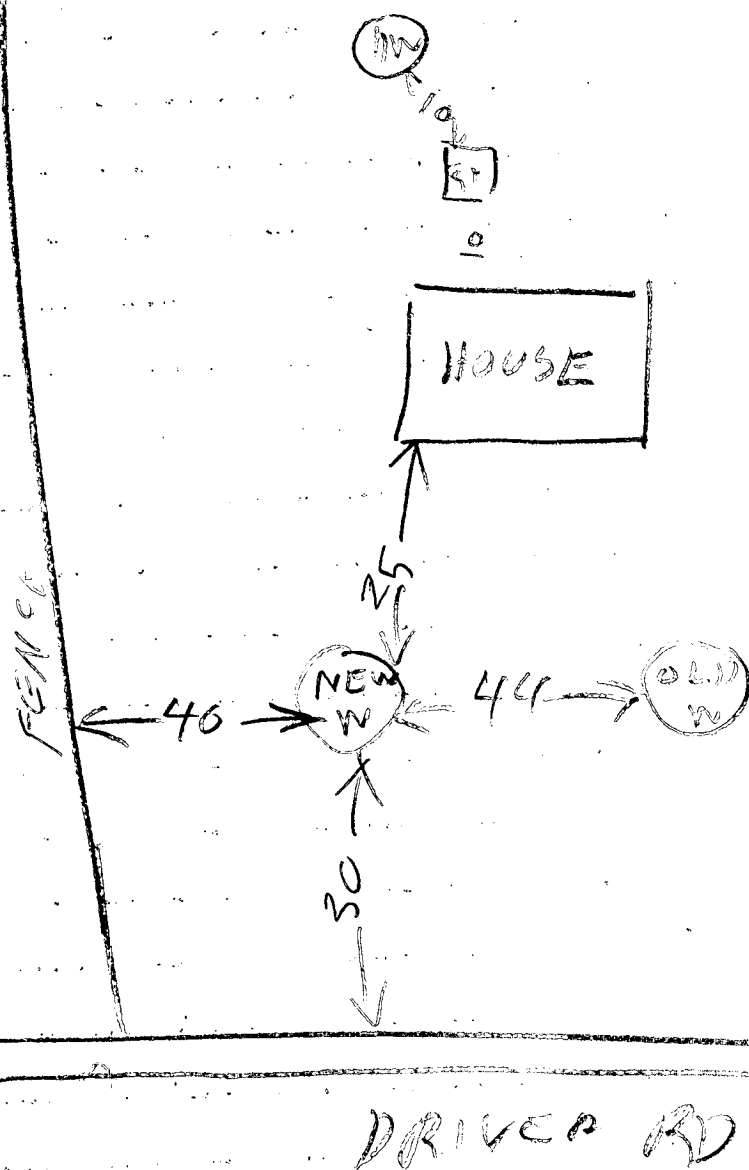
ACTION TAKEN: ⑥ 12 BAGS

⑦ WELL OK

7/8/83

R. Hood

FINAL DISPOSITION: _____



B 1	7202	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER 40-81-0177 fill in this form completely
Date Received 07/1/83 OWNER INFORMATION BENUECK PAUL (Last Name, Owner, First Name) 1080 DRIVER ROAD (Street or RFD) MARRIOTTSVILLE MD 21104 (Town, State, Zip) LOCATION OF WELL HOWARD (County) LAUKENMAN PROPERTY (Subdivision) SECTION 7 LOT 7 MARRIOTTSVILLE (Nearest Town) MILES FROM TOWN (enter 0 if in town) 2 MI				
DRILLER INFORMATION GEORGE F. EASTERDAY (Driller's Name) U.F. EASTERDAY, INC. (Firm Name) 9965 BROWN CHURCH RD MT. AIRY, MD 21771 (Address) George F. Easterday (Signature) 7/8/83 (Date) 1080 DRIVER ROAD (Near What Road) ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 200 (Distance from Road) ENTER FT or MI FT				
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500				
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)				
APPROXIMATE DEPTH OF WELL 200 FEET APPROXIMATE DIAMETER OF WELL 6 INCH				
METHOD OF DRILLING (circle one) ☒ BORED (or Augered) ☐ JETTED ☐ Jetted & DRIVEN ☒ AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVERSE-ROTARY ☐ Drive-POINT other _____				
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) ☐ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☒ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ THIS WELL WILL DEEPEAN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 40-73-4261				
<i>Not to be filled in by driller (OEP USE ONLY)</i> APPROX. PERMIT NUMBER GAP FORCE FS WRITE INITIALS IN BOX PERMIT No. 40-81-0177				
SPECIAL CONDITIONS				

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD (County Name)

OEP SIGNATURE **Frank Shinn** (Signature)

DATE ISSUED **7/8/83**

CO SIGNATURE _____

EXP. DATE **1/8/84**

NORTH GRID **549000** EAST GRID **083000**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- WELL**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

830 (North)

540 (East)

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

Sketch: A hand-drawn sketch showing the location of the well. A north arrow points up. A road labeled "MARRIOTTSVILLE DRIVER RD" runs diagonally. A well is marked with an "X" and labeled "WELL 3500 ft". The distance from the well to the road junction is indicated as "3500 ft".

C1 0783
SEQUENCE NO. (OEP USE ONLY)
1-2,3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-8 ON ALL CARDS)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY.
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
COUNTY NUMBER A28489 Z

DATE Received [] DATE WELL COMPLETED 070883 Depth of Well 300 (TO NEAREST FOOT) FROM "PERMIT TO DRILL WELL" 40-81-0177

OWNER Benneck last name first name Paul TOWN Marriottsville
STREET OR RFD 1080 Driver Road
SUBDIVISION Laukanman Property SECTION LOT 7

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
Topsoil	0	2	
Brown Mica	2	36	
Tan Mica Sandstone	36	66	✓
Mica schist	66	127	
Quartz	127	129	
Mica schist	129	300	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES ☒ NO ☐
TYPE OF GROUTING MATERIAL
CEMENT ☒ BENTONITE CLAY ☐
NO. OF BAGS 12 NO. OF POUNDS 1200
GALLONS OF WATER 63
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 40 ft. (enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
STEEL ☒ CONCRETE ☐
PLASTIC ☐ OTHER ☐
MAIN CASING TYPE ST
Nominal diameter top (main) casing (nearest inch) 6
Total depth of main casing (nearest foot) 50

OTHER CASING (if used)
diameter inch depth (feet)
from to

SCREEN RECORD
screen type or open hole insert appropriate code below
STEEL ☒ BRASS ☐ OPEN HOLE ☐
BRONZE ☐ PLASTIC ☐ OTHER ☐

DEPTH (nearest ft.)
1 HO 48 300
2
3
EACH CASING
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 60

GRAVEL PACK
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) WQ
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
HOURS PUMPED (nearest hour) 4
PUMPING RATE (gal. per min. to nearest gal.) 2
METHOD USED TO MEASURE PUMPING RATE bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 50
WHEN PUMPING 300
TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

PUMP INSTALLED
DRILLER WILL INSTALL PUMP YES NO
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: 29
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height) + above - below
LAND SURFACE 2 (nearest foot) 50 51

LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
House
140'
50' well
lot line

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 40
George S. Easterday
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Wesley L. Blomquist
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

Office of Environmental Programs

WELL ABANDONMENT REPORT

Date 7/25/83

Permit Number of abandoned well (if any)

40-73-4261

Driller's Name Easterday George
Last FirstOwner's Name Benneck Paul
Last First

Well Location:

County Howard
Subdivision Laukenman Property
Section 7 Lot 7
Nearest Town Mariottsville
Maryland Grid Location

Box Number

E 830
N 549

X	
0/5	5/5
0/0	5/0

Show well location by (x)
within box

Type of Well

- ☒ Drilled
☐ Jetted
☐ Bored or Augered
☐ Other, specify

Depth of Well 260 Feet

Type of Casing

- ☒ Steel
☐ Plastic
☐ Concrete
☐ Other, specify

Size of Casing 6 InchesWas any case removed ☒ Yes ☐ No
if yes amount removed 5 (feet)Was casing ripped or perforated ☐ Yes ☒ No

Log of Sealing Material

Material	Feet	
	From	To
Gravel	260	30
Cement	30	3
Backfill	3	0

Driller Zester C. Summers
(signature)License # 307

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH

ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 461-9933

461-9933

February 7, 1985

Mr. Paul Benneck
1080 Driver Drive
Marriottsville, Maryland 21104

RE: Replacement Well -
HO-81-0177

Dear Mr. Benneck:

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

FINAL CERTIFICATE OF POTABILITY

This certifies that all sampling requirements of COMAR 10.17.13 "Well Regulations" have been met for the water supply system installed under permit(s) HO-81-0177.

December 27, 1984
Date of Final Sampling

January 2, 1985
Date of Acceptance

Craig Williams

Craig Williams, Acting Director
Water and Sewerage Program

CW/CS:jr

Mr. Paul Benneck (Continued)
February 7, 1985

page 2

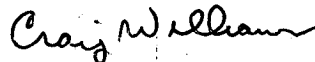
The sample submitted for chemical testing indicates your water to be soft (low mineral content) and acidic, a condition which is probably corrosive to your plumbing. (See attached note.)

The nitrate level of your sample was found to be 7.1 parts per million which is approaching the safe level of 10.0 parts per million. Levels in excess of 10 parts per million have been found to cause methemoglobinemia, (blue baby syndrome) in babies. Please call us within 3 months for resampling.

All other factors tested were within limits recommended for a good water supply.

A copy of the report is enclosed for your information. If there are further questions relating to this report, please call 461-9933 between 8:30 a.m. and 4:30 p.m.

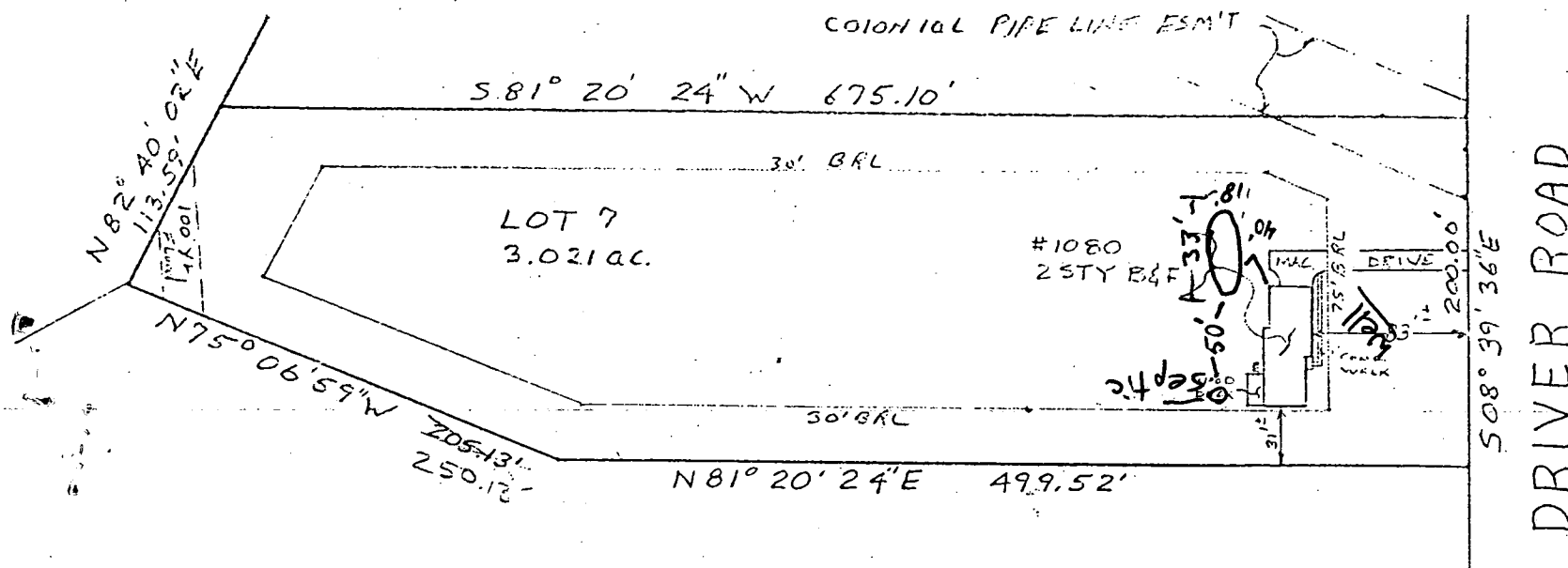
Very truly yours,



Craig Williams, Acting Director
Water and Sewerage Program

CW/CS:jr

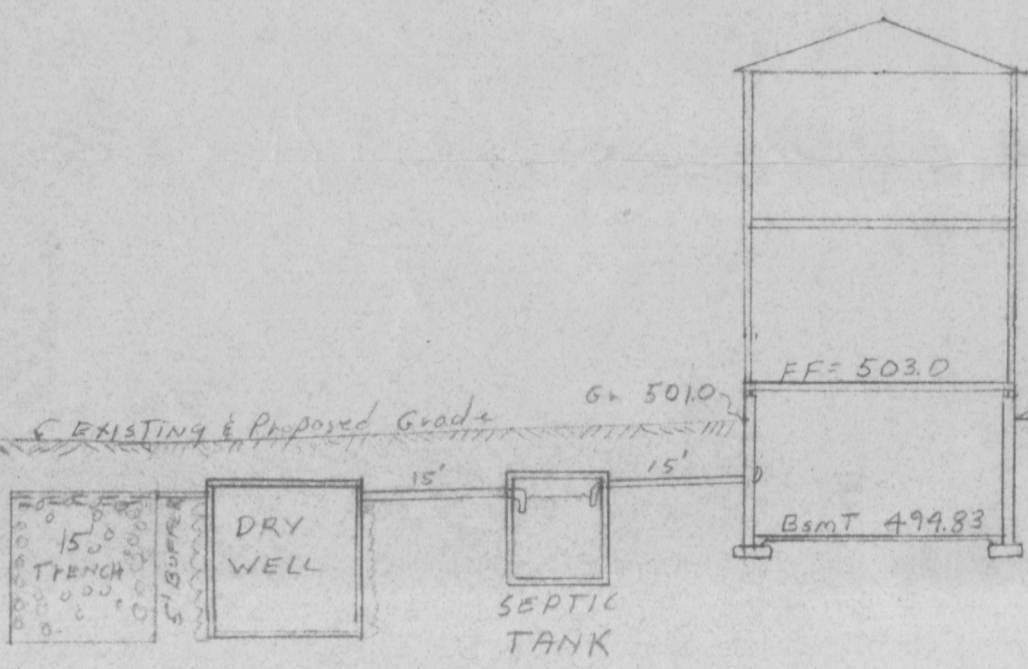
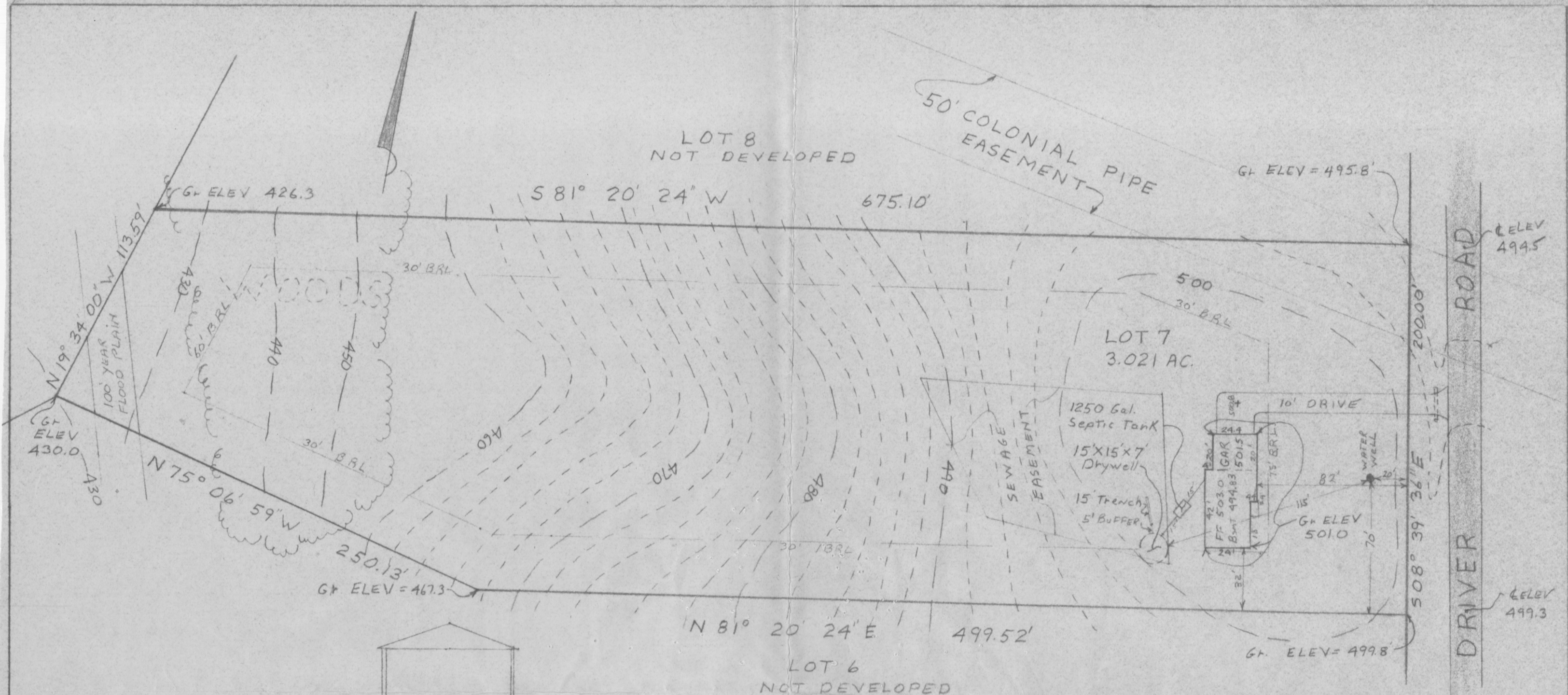
Enclosures



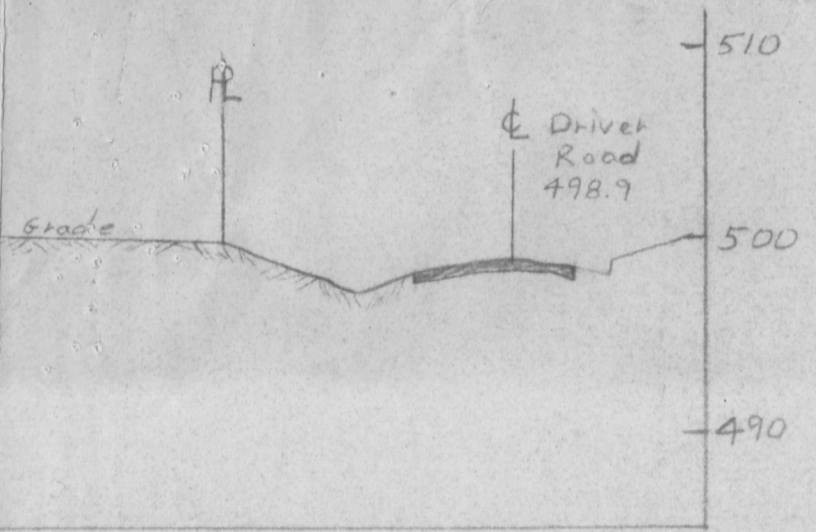
This is to certify that I have surveyed the property known as lot # 7 LAUKENMAN PROPERTY A Resubdivision of Lots 2 & 5 sheet 2 of 2 recorded as PLAT #4566 among the land records of Howard County, Maryland for the purpose of locating the improvements thereon.

J Carl Hudgins
J Carl Hudgins PLS #96

6/1/90
PLANS OK TO SIGN
LOCATION SURVEY
1080 Driver Road
3rd Election District
Howard County Md
Scale 1"=100' Date 6/22/86



PROFILE
SCALE
HORZ 1"=20'
VERT 1"=10'



9-3-82.
Elev. & location ok
well & septic system
Frommel

HOUSE:	
FIRST FLOOR ELEV.	= 503.0
BASEMENT ELEV.	= 494.83
INVERT @ HOUSE	= 497.82
SEPTIC TANK:	
EXISTING GRADE	= 500.7
PROPOSED GRADE	= 500.7
INVERT IN	= 497.51
INVERT OUT	= 497.26
DRYWELL:	
EXISTING GRADE	= 500.1
PROPOSED GRADE	= 500.1
INVERT	= 497.1
BOTTOM	= 490.1

TRENCH:	
LENGTH	= 15'
WIDTH	= 2'
DEPTH	= 10'
STONE	= 7'

The lot shown hereon complies with the minimum ownership, width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.
APPROVED: For Private Water & Private Sewage Systems

I certify The above referenced plans & specifications meet or exceed the V.A. minimum property standards and all local codes.
J. Carl Hudgins
J. Carl Hudgins
Date 8-31-82

County Health Officer Date

PLOT PLAN LOT 7
LAUKENMANN PROPERTY
RECORD PLAT # 4566
3rd Election District
Howard County Maryland
Scale 1"=50' Date 8-30-82

PREPARED BY
NTT Associates
101 Sterrett Bldg.
Columbia Md 21044 Phone 321-0307